

# USCMS Engineer Status Report for October 2003

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## 1 Work Performed This Month

In October, I started to work on mid October due to vacation. The following are the work I have performed:

1. VO work: (1). After coming back from vacation, I was asked to fix the problem with the VOMS server on hotdog63.fnal.gov which is serving both CMS and SDSS VO. After spending several days, I found the main problem was with the new version of VOMS Admin package. So I had to backup the databases, re-installed a lower version of VOMS server, then restored the databases from the backed up data. I also found some bugs on voms-admin package and reported to Akos. (2). I started to look at the VO User registration system developed by Tanya. I found quite a few bugs during the initial test; Tanya fixed it. I re-tried it and reported several other bugs. (3). Some routine work related to administration on USCMS VO—add users, add hosts, etc. 2. Monitoring work: (1). I re-wrote part of the code to write the data into the configuration monitoring database(MySQL) and re-setup the whole system on my desktop (yamashita.fnal.gov)—which is essentially an installation of tomcat with secured services. Now it is functioning well on my desktop. (2). I released a new version of confmon information provider and Bockjoo helped put it into the DPE2.3. The new version works fine under python1.5, can get information directly from user scripts besides the static text file; it also include Nickolai's mop site generator script. (3). Some work was done to publish the VOMS ACL info using the Configuration Monitoring Tool. Several people shows interest on this. (4). Spent some time helping upgrade and configurate MDS on the Fermilab CMS resources for Grid3.

## 2 Status of Deliverables

1. VO project A java connector which will connect between the EDG VOMS database and Tanya's VOMR user registration database is under development. It should be ready by the end of the month.

2. Configuration monitoring: (1). Some development will be done at the server side to make sure the collected info will be archived. And some work will be done to make sure the monitoring system will be in place for the production.

## 3 Plans For Next Month

1. VO work: I will continue the work on the VO as discussed with Greg and Tanya. I will also make sure the VOMS server is running fine for the GRID3 and USCMS Testbed activities. I will also work on trying the new version of VOMS and VOMS-ADMIN packages, which should be ready for upgrading the VOMS server on hotdog63 after the SC2003.

2. Configuration monitoring: (1). More work will be put on using it in production related activities, like monitoring MOP variables, condor variables; (2). Will spend some time to get ready for the ACAT03.

## 4 Longer Term Plans

I will probably continue the work on VOMS (both maintaining the VOMS server for production activities and new test, development, its application in CMS activities) and monitoring work (both MDS, MonaLisa and others)—as discussed with Greg.

## 5 Resources Needed

None.

## 6 Links To Supporting Documentation

- 1.Configuration monitoring tool:

- [https://yamashita.fnal.gov:8443/uscms/index\\_new\\_users.html](https://yamashita.fnal.gov:8443/uscms/index_new_users.html)
- 2. Configuration monitoring tool usage on VOMS server ACL monitoring:
- [https://yamashita.fnal.gov:8443/uscms/host\\_service\\_new\\_users.jcs?hname=hotdog63.fnal.gov](https://yamashita.fnal.gov:8443/uscms/host_service_new_users.jcs?hname=hotdog63.fnal.gov)